

ABSTRACT

A power module includes a first substrate with a power semiconductor device mounted thereon, a second substrate with a control circuit for controlling the power semiconductor device formed thereon, a smoothing capacitor electrically connected to the power semiconductor device for smoothing a voltage to be externally supplied to the power semiconductor device, and a case including a case frame and a case lid. The case has an interior in which the first substrate, the second substrate and the smoothing capacitor are disposed, and the smoothing capacitor is disposed in contact with a side surface of the case frame.